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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/898,456

DATE: 07/18/2001
TIME: 12:46:48

Input Set : A:\LEX-0198-USA SEQUENCE LISTING.txt
Output Set: N:\CRF3\07182001\I898456.raw

ENTERED

4 <110> APPLICANT: Friddle, Carl Johan
 5 Hilbun, Erin
 6 Scoville, John
 7 Walke, D. Wade
 9 <120> TITLE OF INVENTION: Novel Human Secreted Signal Proteins and Polynucleotides
 Encoding the
 10 Same
 12 <130> FILE REFERENCE: LEX-0198-USA
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/898,456
 C--> 14 <141> CURRENT FILING DATE: 2002-07-03
 14 <150> PRIOR APPLICATION NUMBER: US 60/216,384
 15 <151> PRIOR FILING DATE: 2000-07-07
 17 <150> PRIOR APPLICATION NUMBER: US 60/219,890
 18 <151> PRIOR FILING DATE: 2000-07-21
 20 <150> PRIOR APPLICATION NUMBER: US 60/230,609
 21 <151> PRIOR FILING DATE: 2000-09-06
 23 <160> NUMBER OF SEQ ID NOS: 24
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 28 <211> LENGTH: 1272
 29 <212> TYPE: DNA
 30 <213> ORGANISM: homo sapiens
 32 <400> SEQUENCE: 1
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 34 ccgatctggg ggtcgctggc ttgtgggcca cagtattccct ccctgggctc gcagccccatc 120
 35 ctgtgtgccca gcatcccccggg cctggtcccc aagcagctcc gcttctgcag gaactacgtg 180
 36 gagatcatgc ccagcgctggc cgagggcata aagattggca tccaggagtg ccagcaccag 240
 37 ttcccgccggcc gccgggtggaa ctgcaccacc gtcacgaca gcctggccat cttcgggccc 300
 38 gtgctggaca aagctaccag ggagtctggcc tttgtccacg ccattgcctc agccggtgtg 360
 39 gcctttgcag tgacacgctc atgtgcagaa ggcacggccg ccatctgtgg ctgcagcagc 420
 40 cgccaccagg gtcaccagg caagggctgg aagtgggtg gctgttagcga ggacatcgag 480
 41 tttggtgggaa tgggtgtctcg ggagttcgcc gacgccccggg agaaccggcc agatgcccgc 540
 42 tcagccatga accgccccaaa caacgaggct gggcgccagg ccatgcctc ccacatgcac 600
 43 ctcagaatgca agtgcacgg gctgtcgccc agtgcgagg tgaagacatg ctgggtgtcg 660
 44 caacccgact tccgcgccat cggtgacttc ctcaaggaca agtacgacag cgcctcgag 720
 45 atgggtgtgg aagaagcaccg ggagtcccgc ggctgggtgg agaccctgcg gccgcgtac 780
 46 acctacttca aggtgccccac ggagcgccgac ctggtctact acgaggccctc gcccaacttc 840
 47 tgcgagccca accctgagac ggctcccttc ggcacgcgcg accgcacctg caacgtcagc 900
 48 tcgcacggca tcgacgctg cgacctgctg tgctcgccg cggccacaaa cgcgcgagcg 960
 49 gagcggcgcc gggagaagtg cccgtcgctg ttccactggg gctgtactgt cagctgccag 1020
 50 gagtgcacgcg gctgtctacga cgtgcacacc tgcaggatg gatgcctcag gacagggcac 1080
 51 tcaggtccct gtcggagtct tgcttggatc tggagccctg gatcccagg gcatgacctc 1140
 52 ctggagcaac ttccaaagggtc tggggacta ggtcagtgtt cctccctgca gaactggact 1200
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 54 gacacttcct ag 1272
 56 <210> SEQ ID NO: 2
 57 <211> LENGTH: 423
 58 <212> TYPE: PRT

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59 <213> ORGANISM: homo sapiens
 61 <400> SEQUENCE: 2
 62 Met Ala Pro Leu Gly Tyr Phe Leu Leu Cys Ser Leu Lys Gln Ala
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 64 Leu Gly Ser Tyr Pro Ile Trp Trp Ser Leu Ala Val Gly Pro Gln Tyr
 65 20 25 30
 66 Ser Ser Leu Gly Ser Gln Pro Ile Leu Cys Ala Ser Ile Pro Gly Leu
 67 35 40 45
 68 Val Pro Lys Gln Leu Arg Phe Cys Arg Asn Tyr Val Glu Ile Met Pro
 69 50 55 60
 70 Ser Val Ala Glu Gly Ile Lys Ile Gly Ile Gln Glu Cys Gln His Gln
 71 65 70 75 80
 72 Phe Arg Gly Arg Arg Trp Asn Cys Thr Thr Val His Asp Ser Leu Ala
 73 85 90 95
 74 Ile Phe Gly Pro Val Leu Asp Lys Ala Thr Arg Glu Ser Ala Phe Val
 75 100 105 110
 76 His Ala Ile Ala Ser Ala Gly Val Ala Phe Ala Val Thr Arg Ser Cys
 77 115 120 125
 78 Ala Glu Gly Thr Ala Ala Ile Cys Gly Cys Ser Ser Arg His Gln Gly
 79 130 135 140
 80 Ser Pro Gly Lys Gly Trp Lys Trp Gly Gly Cys Ser Glu Asp Ile Glu
 81 145 150 155 160
 82 Phe Gly Gly Met Val Ser Arg Glu Phe Ala Asp Ala Arg Glu Asn Arg
 83 165 170 175
 84 Pro Asp Ala Arg Ser Ala Met Asn Arg His Asn Asn Glu Ala Gly Arg
 85 180 185 190
 86 Gln Ala Ile Ala Ser His Met His Leu Lys Cys Lys Cys His Gly Leu
 87 195 200 205
 88 Ser Gly Ser Cys Glu Val Lys Thr Cys Trp Trp Ser Gln Pro Asp Phe
 89 210 215 220
 90 Arg Ala Ile Gly Asp Phe Leu Lys Asp Lys Tyr Asp Ser Ala Ser Glu
 91 225 230 235 240
 92 Met Val Val Glu Lys His Arg Glu Ser Arg Gly Trp Val Glu Thr Leu
 93 245 250 255
 94 Arg Pro Arg Tyr Thr Tyr Phe Lys Val Pro Thr Glu Arg Asp Leu Val
 95 260 265 270
 96 Tyr Tyr Glu Ala Ser Pro Asn Phe Cys Glu Pro Asn Pro Glu Thr Gly
 97 275 280 285
 98 Ser Phe Gly Thr Arg Asp Arg Thr Cys Asn Val Ser Ser His Gly Ile
 99 290 295 300
 100 Asp Gly Cys Asp Leu Leu Cys Cys Gly Arg Gly His Asn Ala Arg Ala
 101 305 310 315 320
 102 Glu Arg Arg Glu Lys Cys Arg Cys Val Phe His Trp Cys Cys Tyr
 103 325 330 335
 104 Val Ser Cys Gln Glu Cys Thr Arg Val Tyr Asp Val His Thr Cys Lys
 105 340 345 350
 106 Asp Gly Cys Leu Arg Thr Gly His Ser Gly Pro Cys Arg Ser Leu Ala
 107 355 360 365
 108 Trp Ile Trp Ser Pro Gly Ser Gln Gly His Asp Leu Leu Glu Gln Leu

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109	370	375	380	
110	Pro Arg Ser Gly Gly Leu Gly Gln Cys Ser Ser Leu Gln Asn Trp Thr			
111	385	390	395	400
112	Ala Val Ser Gly Cys Leu Arg Asp His Leu Gly Gly Leu Pro Gly Gly			
113	405	410	415	
114	Gly Glu His Gly Asp Thr Ser			
115	420			
117	<210> SEQ ID NO: 3			
118	<211> LENGTH: 1059			
119	<212> TYPE: DNA			
120	<213> ORGANISM: homo sapiens			
122	<400> SEQUENCE: 3			
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124	ccgatctgggt ggtcgctggc tggggccca cagtattcct ccctgggctc gcagccccatc	120		
125	ctgtgtgcaca gcatccccggg cttgggtcccc aagcagctcc gcttctgcag gaactacgtg	180		
126	gagatcatgc ccagcgtggc cgagggcatc aagattggca tccaggagtg ccagcaccag	240		
127	tcccgccggcc gccgggtggaa ctgcaccacc gtccacgaca gcctggccat cttcggggcc	300		
128	gtgtctggaca aagctaccag ggagtcggcc tttgtccacg ccattgcctc agccggtgtg	360		
129	gcctttgcag tgacacgctc atgtgcagaa ggcacggccg ccatctgtgg ctgcagcagc	420		
130	cggcaccagg gctcaccagg caagggctgg aagtgggtg gctgttagcga ggacatcgag	480		
131	tttgggtggaa ttgtgtctcg ggagttcgcc gacgccccggg agaaccggcc agatgcccgc	540		
132	tcagccatga accgccccaaa caacgaggt gggcccgagg ccatcgccag ccacatgcac	600		
133	ctcaagtgcgca agtgcacacgg gctgtcgccg agctgcgagg tgaagacatg ctgggtgtcg	660		
134	caacccgact tccgcgccat cgggtacttc ctcaaggaca agtacgacag cgcctcgag	720		
135	atgggtgtgg agaagcacgg ggagtcggc ggctgggtgg agaccctgcg gccgcgtac	780		
136	acctacttca aggtccccac ggagcgcgac ctggctact acgaggcctc gcccaacttc	840		
137	tgcgagccca accctgagac gggctcctc ggcacgcgcg accgcacctg caacgtcagc	900		
138	tgcacggca tgcacggctg cgacctgtcg tgctgcggcc gcggccacaa cgcgcgagcg	960		
139	gagcggccgccc gggagaagt ccgctgcgtg ttccactggt gctgctacgt cagctgccag	1020		
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143	<211> LENGTH: 352			
144	<212> TYPE: PRT			
145	<213> ORGANISM: homo sapiens			
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150	Leu Gly Ser Tyr Pro Ile Trp Trp Ser Leu Ala Val Gly Pro Gln Tyr			
151	20	25	30	
152	Ser Ser Leu Gly Ser Gln Pro Ile Leu Cys Ala Ser Ile Pro Gly Leu			
153	35	40	45	
154	Val Pro Lys Gln Leu Arg Phe Cys Arg Asn Tyr Val Glu Ile Met Pro			
155	50	55	60	
156	Ser Val Ala Glu Gly Ile Lys Ile Gly Ile Gln Glu Cys Gln His Gln			
157	65	70	75	80
158	Phe Arg Gly Arg Arg Trp Asn Cys Thr Thr Val His Asp Ser Leu Ala			
159	85	90	95	
160	Ile Phe Gly Pro Val Leu Asp Lys Ala Thr Arg Glu Ser Ala Phe Val			
161	100	105	110	

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162 His Ala Ile Ala Ser Ala Gly Val Ala Phe Ala Val Thr Arg Ser Cys
163      115          120          125
164 Ala Glu Gly Thr Ala Ala Ile Cys Gly Cys Ser Ser Arg His Gln Gly
165      130          135          140
166 Ser Pro Gly Lys Gly Trp Lys Trp Gly Gly Cys Ser Glu Asp Ile Glu
167 145          150          155          160
168 Phe Gly Gly Met Val Ser Arg Glu Phe Ala Asp Ala Arg Glu Asn Arg
169      165          170          175
170 Pro Asp Ala Arg Ser Ala Met Asn Arg His Asn Asn Glu Ala Gly Arg
171      180          185          190
172 Gln Ala Ile Ala Ser His Met His Leu Lys Cys Lys Cys His Gly Leu
173      195          200          205
174 Ser Gly Ser Cys Glu Val Lys Thr Cys Trp Trp Ser Gln Pro Asp Phe
175      210          215          220
176 Arg Ala Ile Gly Asp Phe Leu Lys Asp Lys Tyr Asp Ser Ala Ser Glu
177 225          230          235          240
178 Met Val Val Glu Lys His Arg Glu Ser Arg Gly Trp Val Glu Thr Leu
179      245          250          255
180 Arg Pro Arg Tyr Thr Tyr Phe Lys Val Pro Thr Glu Arg Asp Leu Val
181      260          265          270
182 Tyr Tyr Glu Ala Ser Pro Asn Phe Cys Glu Pro Asn Pro Glu Thr Gly
183      275          280          285
184 Ser Phe Gly Thr Arg Asp Arg Thr Cys Asn Val Ser Ser His Gly Ile
185      290          295          300
186 Asp Gly Cys Asp Leu Leu Cys Cys Gly Arg Gly His Asn Ala Arg Ala
187 305          310          315          320
188 Glu Arg Arg Arg Glu Lys Cys Arg Cys Val Phe His Trp Cys Cys Tyr
189      325          330          335
190 Val Ser Cys Gln Glu Cys Thr Arg Val Tyr Asp Val His Thr Cys Lys
191      340          345          350
193 <210> SEQ ID NO: 5
194 <211> LENGTH: 1505
195 <212> TYPE: DNA
196 <213> ORGANISM: homo sapiens
198 <400> SEQUENCE: 5
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200 gccgcgcccag ctccccaggc cggccccccc cggcgctca cgctctcggt gcggactccc      120
201 ggccttcggc gccccttcgc gcggcgatgg ccccactcgg atacttctta ctcctctgca      180
202 gcctgaagca ggctctgggc agctacccga tctgggtgtc gctggctgtt gggccacagt      240
203 atccctccct gggctcgcag cccatcctgt gtgccagcat cccgggcctg gtccccaagc      300
204 agtcccgctt ctgcaggaac tacgtggaga tcatgcccag cgtggccag ggcataaga      360
205 ttggcatcca ggagtggccag caccagttcc gcggccgccc gtggaaactgc accaccgtcc      420
206 acgacagccct ggcacatctt cggccctgtc tggacaaagc taccaggtag tcggcctttg      480
207 tccacgcccatt gcctcagcc ggtgtggcct ttgcagtgac acgctcatgt gcagaaggca      540
208 cggccgcccatt ctgtggctgc agcagccgcc accagggttc accaggcaag ggctggaaagt      600
209 ggggtggctgt tagcgaggac atcgagttt gtgggatgggt gtctcgggag ttcggccgacg      660
210 cccgggagaa cccgcagat gcccgcctag ccatgaaccg ccacaacaac gaggtggcggc      720
211 gccaggccat cggccagccac atgcaccccta agtgcagaatg ccacgggcgt tcggcagct      780
212 gcgaggtgaa gacatgctgg tggtcgcaac ccgacttccg cggccatcggt gacttcctca      840

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Input Set : A:\LEX-0198-USA SEQUENCE LISTING.txt

Output Set: N:\CRF3\07182001\I898456.raw

213	aggacaagta	cgacagcgcc	tcggagatgg	tggggagaa	gcaccggag	tcccgccgct	900									
214	gggtggagac	cctgcggccg	cgctacacct	acttcaaggt	gcccacggag	cgcgacctgg	960									
215	tctactacga	ggcctcgccc	aacttctgcg	agcccaaccc	tgagacgggc	tccttcggca	1020									
216	cgcgcgaccc	cacctgcaac	gtcagctcgc	acggcatcga	cggctgcgac	ctgctgtgct	1080									
217	gcggccgggg	ccacaacgcg	cgagcggagc	ggccggggga	gaagtgcgc	tgcgtgttcc	1140									
218	actggtgctg	ctacgtcage	tgccaggagt	gcacgcgcgt	ctacgacgtg	cacacctgca	1200									
219	aggatggatg	cctcaggaca	gggcactcag	gtccctgtcg	gagtcttgc	tggatctgga	1260									
220	gccctggatc	ccaggggcat	gacctcctgg	agcaacttcc	aaggctctggg	ggacttaggtc	1320									
221	agtgttcctc	cctgcagaac	tggactgctg	tcagtggctg	ccttcggat	catctggag	1380									
222	ggcttccagg	aggaggtgag	catggggaca	cttcttaggg	ctccaacatc	ctcctgtaat	1440									
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234	aggtcagtga	acaatttcct	gataacaggt	cccaaggcct	atctgaccct	cacgactagt	180									
235	gtggccttgg	gtgcccagag	tggcatcgag	gagtgcagt	tccagtttc	ttggAACGC	240									
236	tggaactgccc	ctgaaaatgc	tcttcagctc	tccacccaca	acaggctgag	aagtgcctacc	300									
237	agagagactt	ccttcataca	tgctatcagc	tctgctggag	tcatgtacat	catcaccaag	360									
238	aactgttagca	tgggtgactt	cgaaaactgt	ggctgtgatg	ggtcaaacaa	tggaaaaaca	420									
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240	tccaaactct	ttgtggacag	tttggagaag	gggaggatg	ccagagccct	gatgaatctt	540									
241	cacaacaaca	ggccggcag	actggcagtg	agagccacca	tggaaaggac	atgcaaatgt	600									
242	catggcatct	ctgggagctg	cagcatacag	acatgcgtgc	tgcagctggc	tgaattccgg	660									
243	gagatgggg	actacctaaa	ggccaaatgt	gaccaggcgc	tggaaatttg	aatggataag	720									
244	cggcagctga	gagctggaa	cagcgccgag	ggccacttggg	tgcccgctg	ggcccttcctt	780									
245	cctagcgcag	aggcgaact	gatcttttta	gaggaatcac	cagattactg	tacctgcaat	840									
246	tccagcctgg	gcatctatgg	cacagaggtt	cgtgatgtcc	tacagaacag	ccacaacaca	900									
247	tccaggtggg	agcgacgtag	ctgtgggcgc	ctgtgcactg	agtgtggct	gcaggtggaa	960									
248	gagaggaaaa	ctgaggtcat	aagcagctgt	aactgcataat	tccagttgg	ctgtacggtc	1020									
249	aagtgtgacc	agtgtaggca	tgtgtgagc	aagtattact	gcmcacgctc	cccaggcagt	1080									
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260	Leu	Thr	Pro	Cys	Gln	Gly	Gly	Pro	His	Cys	Leu	Ile	Pro	Ile	His	Leu
261						20				25					30	
262	Cys	Leu	Thr	Phe	Ser	Leu	Phe	Gly	Arg	Ser	Val	Asn	Asn	Phe	Leu	Ile
263						35			40					45		
264	Thr	Gly	Pro	Lys	Ala	Tyr	Leu	Thr	Tyr	Thr	Thr	Ser	Val	Ala	Leu	Gly
265						50			55					60		

VERIFICATION SUMMARY

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Input Set : A:\LEX-0198-USA SEQUENCE LISTING.txt
Output Set: N:\CRF3\07182001\I898456.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date